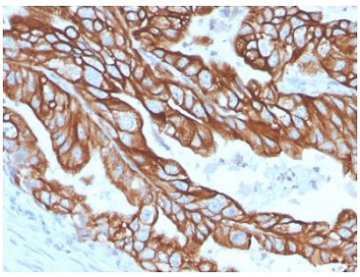
Recombinant CK18 Antibody / Cytokeratin 18 [clone KRT18/2808R] (V7429)

Catalog No.	Formulation	Size
V7429-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7429-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7429SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7429IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

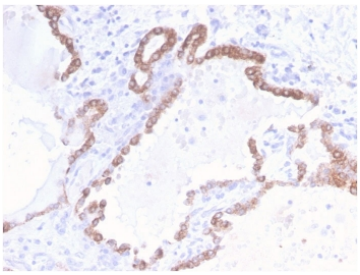
Recombinant RABBIT MONOCLONAL

Bulk quote request

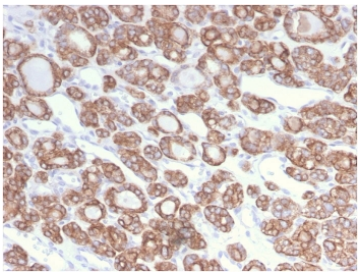
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	KRT18/2808R
Purity	Protein A affinity chromatography
UniProt	P05783
Localization	Cytoplasmic
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This recombinant CK18 antibody is available for research use only.



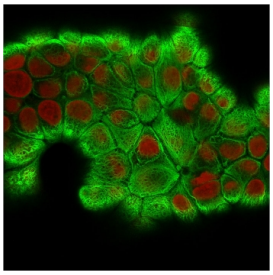
IHC staining of FFPE human colon carinoma with recombinant CK18 antibody (clone KRT18/2808R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



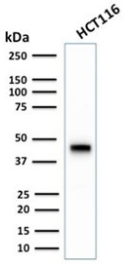
IHC staining of FFPE human colon carinoma with recombinant CK18 antibody (clone KRT18/2808R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



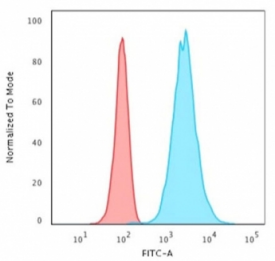
IHC staining of FFPE human thyroid carinoma with recombinant CK18 antibody (clone KRT18/2808R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



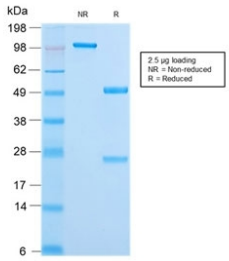
Immunofluorescent staining of permeabilized human MCF7 cells with recombinant CK18 antibody antibody (clone KRT18/2808R, green) and Reddot nuclear stain (red).



Western blot testing of human HCT116 antibody with recombinant CK18 antibody (clone KRT18/2808R). Predicted molecular weight ~48 kDa.



Flow cytometry testing of permeabilized human HeLa cells with CK18 antibody (clone KRT18/2808R); Red=isotype control, Blue= anti-CK18 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant CK18 antibody (clone KRT18/2808R) as confirmation of integrity and purity.

Description

This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, also called KRT18 and CK18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Explore our Cytokeratin 18 Antibody KRT18/835 for additional research into KRT18 expression, epithelial differentiation, and cytoskeletal organization in normal tissues and carcinomas.

Application Notes

Optimal dilution of the recombinant CK18 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Full length recombinant human protein was used as the immunogen for the recombinant CK18 antibody.

Storage

Store the recombinant CK18 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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